

Product Information

PI3K inhibitor HS-173, Purity ≥98%

Cat. No.: X24-05-ZQ101

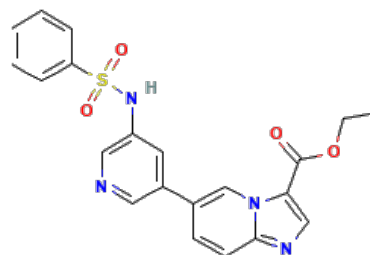
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1276110-06-5

Compound CID: 52936849

Synonym: 1276110-06-5; HS173; PI3K inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	HS-173, soluble in warmed DMSO and insoluble in water and ethanol, is a potent compound that inhibits PI3 kinase activity. It targets PI3Kα.
Molecular Weight	422.1
Molecular Formula	C ₂₁ H ₁₈ N ₄ O ₄ S
Targets	PI3Kα: 0.8 nM
IUPAC Name	Ethyl 6-[5-(benzenesulfonamido)pyridin-3-yl]imidazo[1,2-a]pyridine-3-carboxylate
InChI	InChI=1S/C21H18N4O4S/c1-2-29-21(26)19-13-23-20-9-8-15(14-25(19)20)16-10-17(12-22-11-16)24-30(27,28)18-6-4-3-5-7-18/h3-14,24H,2H2,1H3
InChI Key	SEKOTFCHZNXZMM-UHFFFAOYSA-N
Canonical SMILES	CCOC(=O)C1=CN=C2N1C=C(C=C2)C3=CC(=CN=C3)NS(=O)(=O)C4=CC=CC=C4
Form	Lyophilized powder
Purity	≥98%
Solubility	Warmed DMSO: 81 mg/mL (191.73 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	HS-173 can be used to study the effects of PI3K inhibition on cancer cell apoptosis and autophagy.
Storage	Store at -20°C.